

Abstract:

Device and Method for Actuating a Brake System for Automotive Vehicles

The present invention relates to a device for actuating a brake system (4) to accomplish a brake assist function, especially for automotive vehicles. The movement of a brake pedal (1) by the driver can be sensed by way of a travel sensor (2) and supplied to the brake system (4) by way of a signal line (3). Depending on the brake pedal movement determined by the travel sensor (2), a control unit (5) can either change or reduce a damping effect and/or a counterforce of the brake pedal (1) or augment a brake force acting in the system so that the stopping distance of the automotive vehicle is shortened in a safe and comfortable manner. In particular, the driver exercises total control of the braking operation, even when the brake assist function is activated.

(Figure 1)